**IB Math Studies Course Information, SEHS 2017-2018** Ms. Nicholson

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Text: *Mathematics Studies SL* (3rd edition) Haese Mathematics (link on the South webpage)

This course is intended for IHS students pursuing an IB certificate or diploma. Prerequisite: successful completion of Algebra 2/Trig. The areas of study include Statistics, Probability, Functions, Trigonometry, Logic, Sequences and Series, and basic Differential Calculus. Students will write an independent math project paper called the Internal Assessment. This course, Math 111 and the paper are all required for the IB certificate or diploma. Juniors and Seniors will sit for the IB Math exam in May 2018, Freshmen and Sophomores can test in their Junior year.

**Materials:** Students will need pencils, erasers, a ruler, graph and ruled paper and a designated binder to keep all the handouts for this class. A graphing calculator is required for this course. (We use a TI 83 or TI 84 in class. Note that fancier graphers, like the TI Nspire or TI 89, may not be allowed on some standardized tests or tests in this class.)

**Classwork and Homework**: Each day starts with a warm up designed to review weak skills, reinforce current topics, prepare for new topics, review for that night’s homework or an upcoming quiz or test. If a student misses class, they absolutely should get on the website and do the missed warm up! Questions on the previous night’s homework are usually taken next. If we don’t have a chance to go over it in class, worked out solutions will be posted to the website as per student request. Homework is collected periodically and scored out of 2 points. Must be complete to get full credit. Homework points will also come from a weekly homework quiz on which students are allowed to use their homework. You should expect full credit if you are keeping up with the regular homework, checking your answers and asking questions as they come up. Students who wait until the night before the homework quiz don’t often do well. Classwork includes the warm ups, investigation or problem solving done in teams, pairs or individually. All classwork for the week is turned in on Fridays.

**Late work:** Late homework or classwork is not penalized if it follows an excused absence and is turned in right away. Very late work (more than a day) or work missed due to other reasons will likely not be accepted or may be accepted for reduced credit. Come talk to me about the circumstance.

**Attendance and Make Up Work:** Prompt and regular attendance is expected. The school policy about reduced course credit will be followed for excessive absences. Many of the group activities are difficult to duplicate on your own. Students are expected to find out what they missed and take care of it quickly. Warm ups, lessons and homework are posted to the website daily. There are extra copies of worksheet assignments in a basket in the classroom. Missed assessment opportunities must be dealt with immediately upon return and are the responsibility of the student to set a make up appointment. Once an assessment has been returned to the class, the opportunity for make up is lost. For a known planned absence, students should arrange to test before they leave.

**Assessments:** There will be a variety of assessments given. Most will be individual, some in pairs and some will require group collaboration. Weekly quizzes are announced at least the day before and plenty of advance notice is given for any major assessment. The final exam is cumulative.

**Grading:** Classwork and homework will make up roughly 20% of the overall grade, leaving 80% of the grade based on assessments. I will try to update Synergy every 2-3 weeks, but at least at the end of each unit. (A: 90 – 100%, B: 80 – 89%, C: 70 – 79%, D: 60 – 69%, F: Below 60%)

**Help and Accommodations:** I am usually available for help after school. Give me a heads up in case I have a meeting and can’t be there. Appropriate modifications will be made for identified special needs. Come talk to me if you have concerns or there is something specific I should know about you!